

Fig. 1
Alplex and Latex

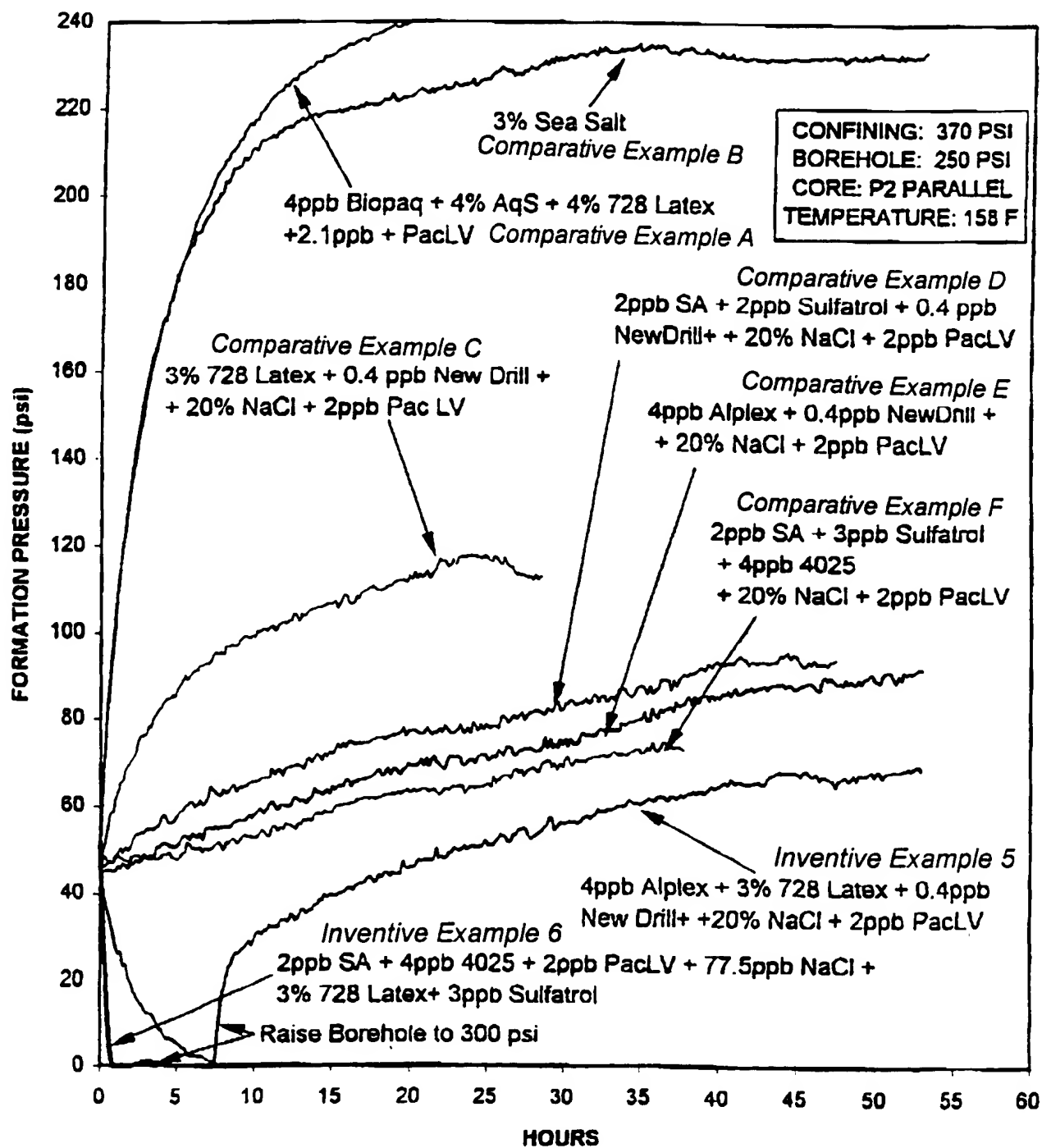


Figure 2 Surfactant effect on Gencal 7463 particle size in 20% NaCl / 1 lb/bbl NEW-DRILL® PLUS / 1 lb/bbl XAN-PLEX™ D / 0.5 lb/bbl sodium gluconate / 3 lb/bbl NaAlO₂ 5% by vol Gencal 7463

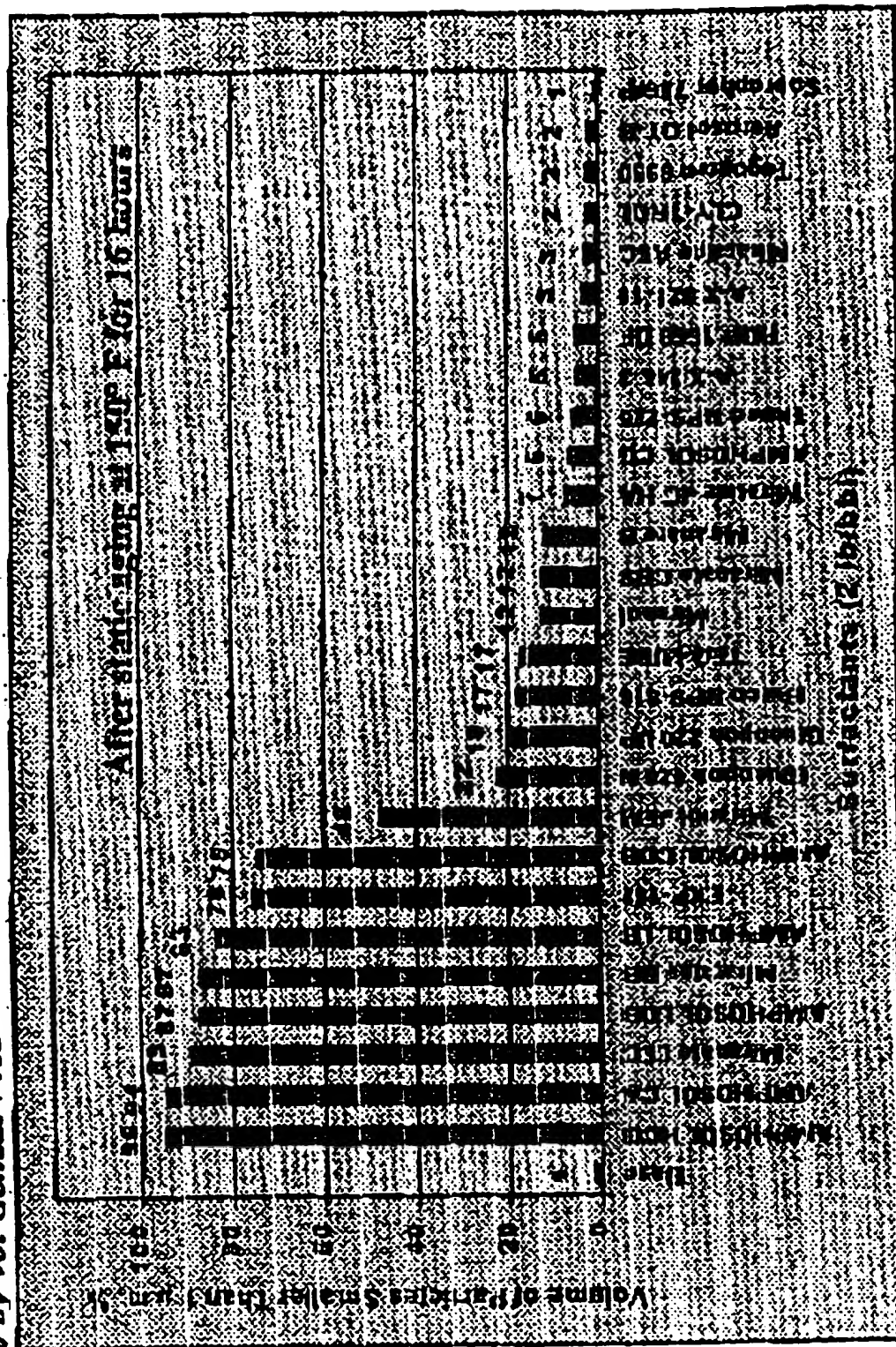


Figure 3 Influence of polymer resins (3 lb/bbl) on Gencal 7463 particle size distributions after 16 hours, 150°F hot roll in 20% NaCl / 0.75 lb/bbl XAN-PLEX® D / 0.5 lb/bbl sodium d-glucuronate / 0.4 lb/bbl NEW-DRILL® PLUS/2 lb/bbl BIO-PAQ® / 3 lb/bbl NaAlO₂ / 3% Gencal 7468 / 1 lb/bbl EXP-152

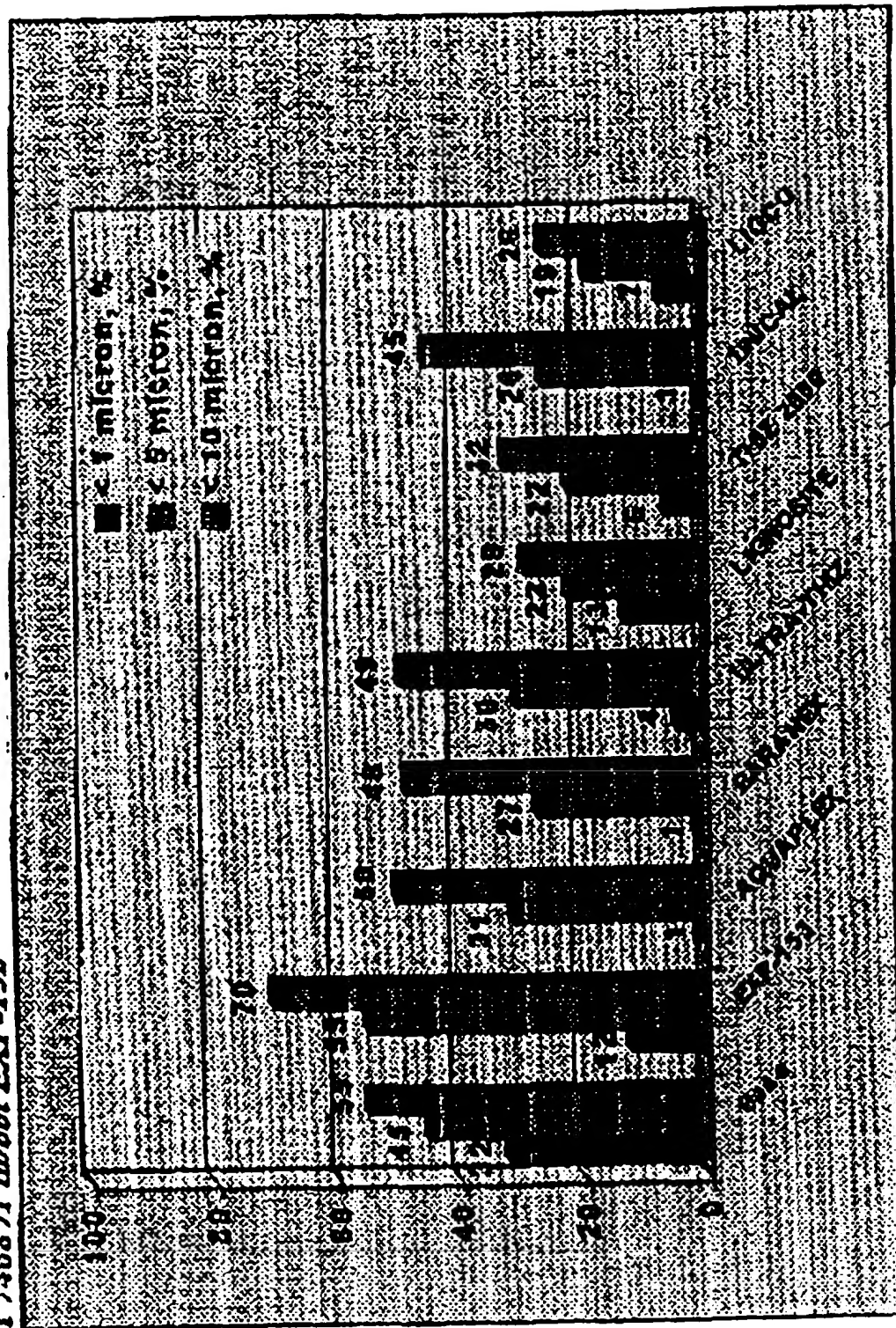


Figure 4 EXP-154 versus ALPLEX® in 12 lb/gal mud Base: 20% NaCl / 0.5 lb/bbl XAN-
 PLEX® D / 2 lb/bbl BIO-LOSE® / 1 lb/bbl NEW-DRILL® PLUS / 3% EXP-155 / 150 lb/bbl
 MIL-BAR® / 27 lb/bbl Rev Dust

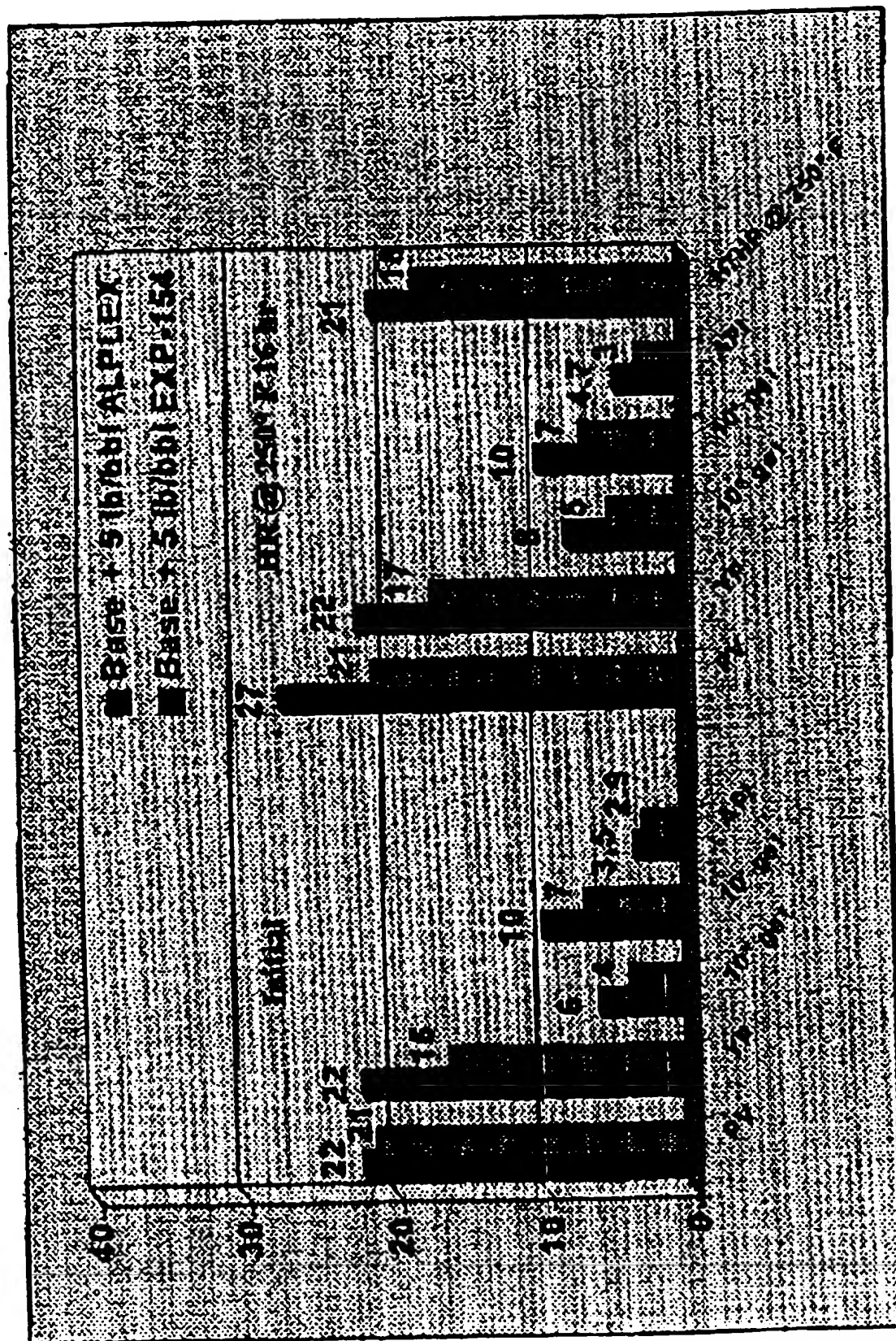


Figure 5 PPT test results for ALPLEX®, EXP-154/EXP-155, and ISO-TEQ® fluids

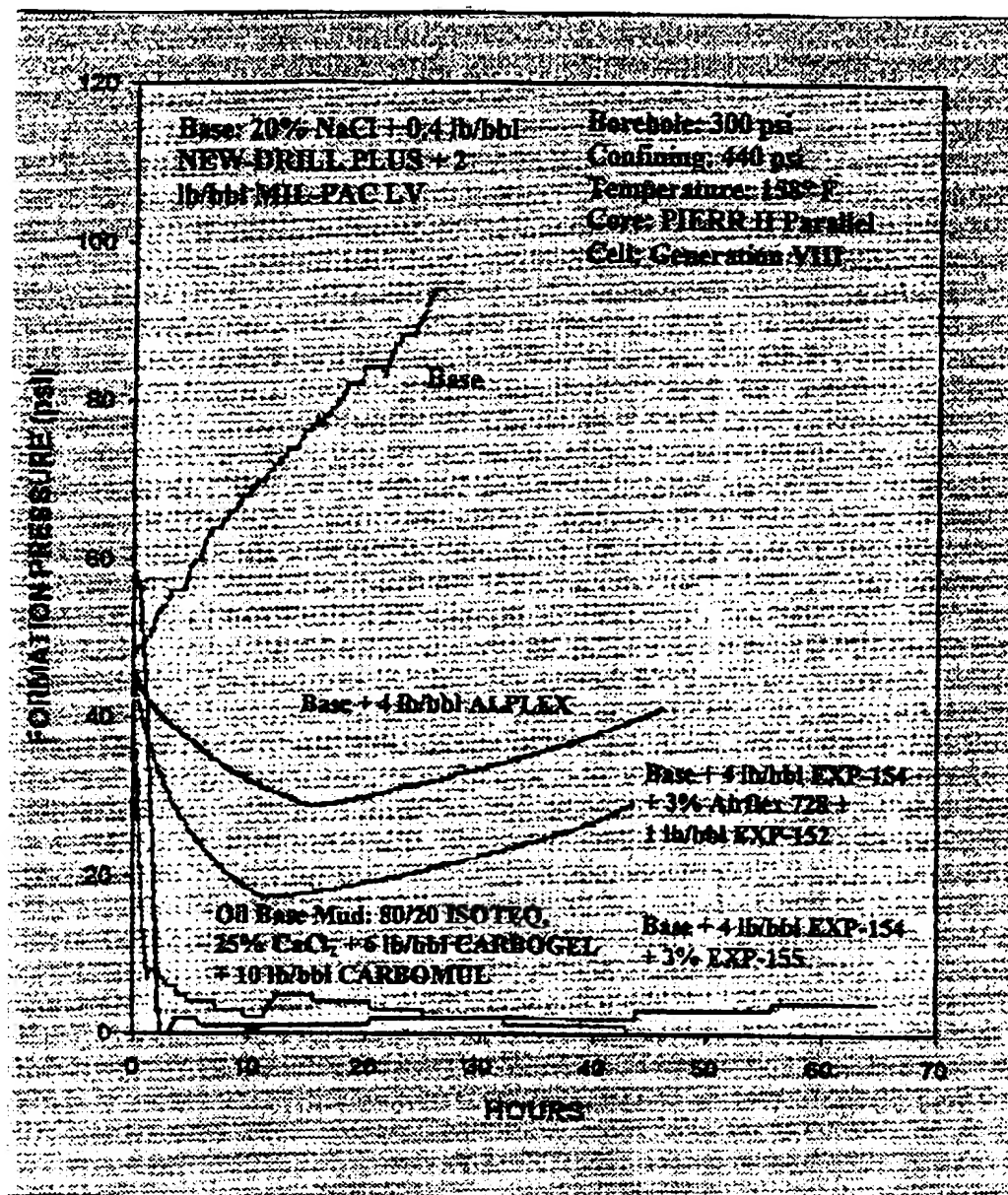


Figure 6 Effect of circulation on EXP-154/EXP-155 mud performance

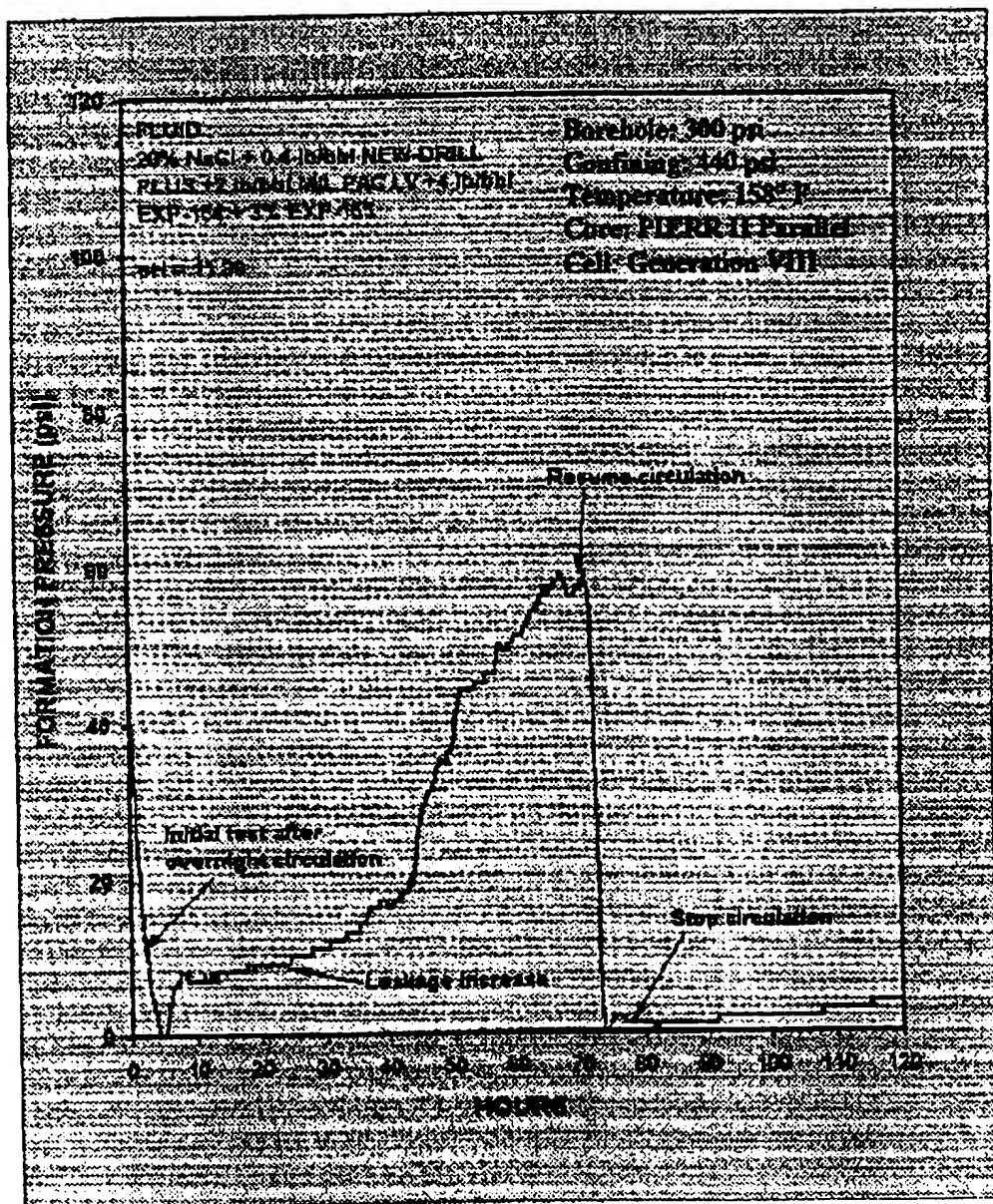


Figure 7 Effect of latex on mud properties in 9.6 lb/gal 20% NaCl fluid after 16 hour, 250°F hot roll Base: 20% NaCl / 1 lb/bbl XAN-PLEX® D / 0.4 lb/bbl NEW-DRILL® PLUS / 2 lb/bbl BIO-PAQ® / 5 lb/bbl EXP-154 / 10 lb/bbl MIL-CARB® / 27 lb/bbl Rev Dust

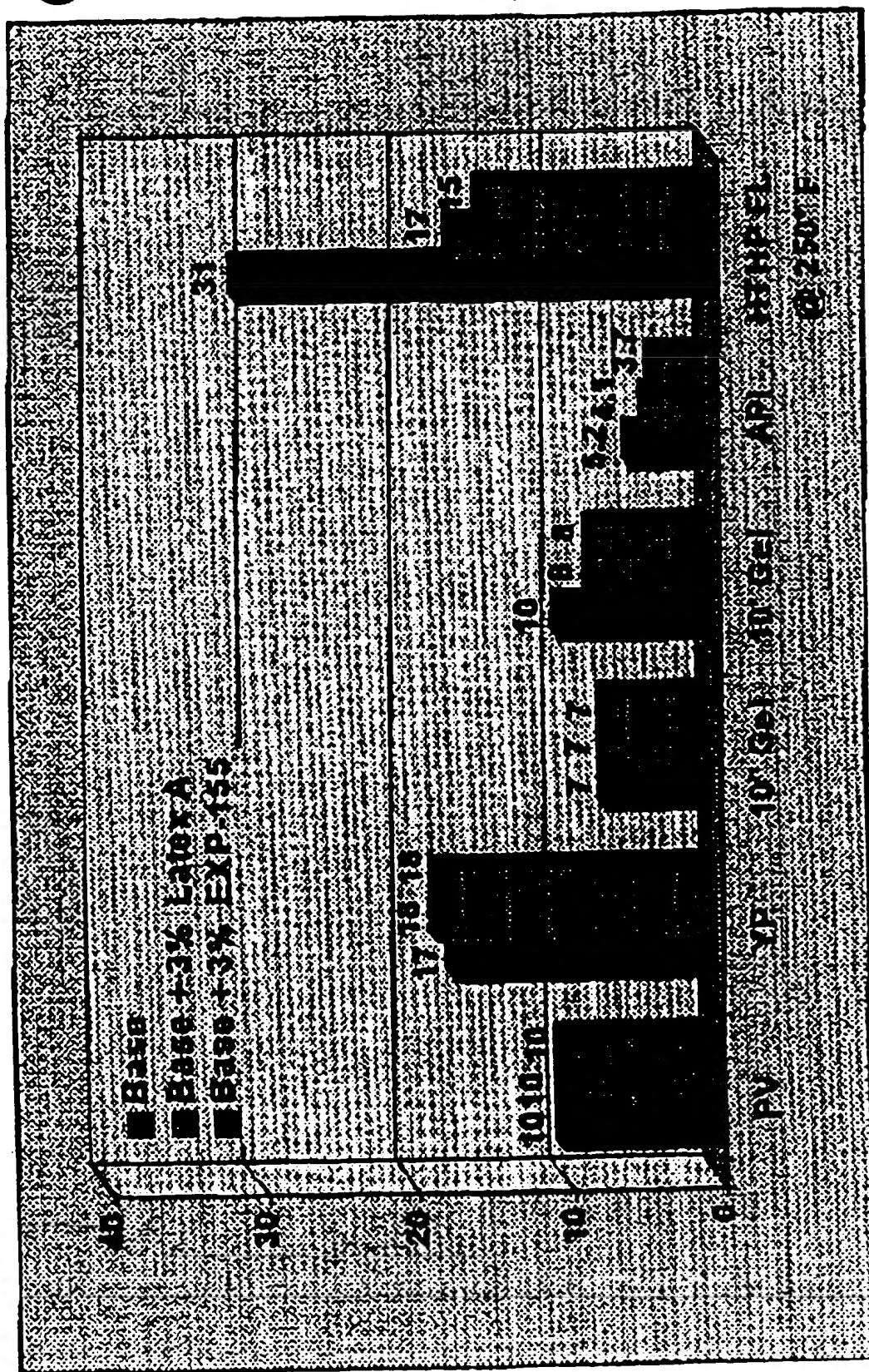


Figure 8 Effect of latex on mud properties in 12 lb/gal fluid after hot rolling for 16 hours at 250°F. Base: 20% NaCl / 0.75 lb/bbl XAN-PLEX® D / 0.4 lb/bbl NEW-DRILL® PLUS / 3 lb/bbl BIO-PAQ® / 5 lb/bbl EXP-154 / 150 lb/bbl MIL-BAR® / 27 lb/bbl Rev Dust

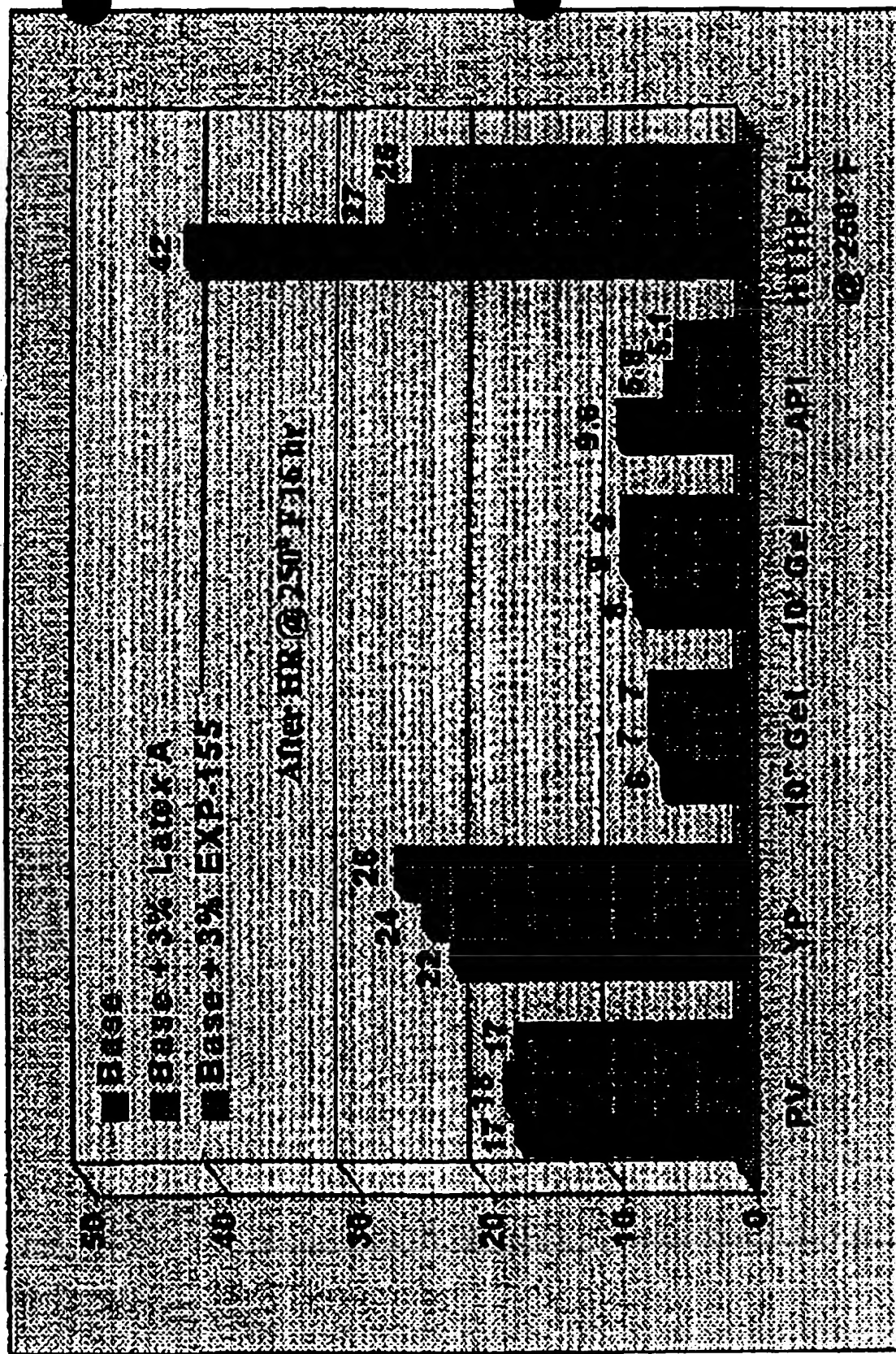


Figure 9 96 hour Mysisopsis bahia range finder results for experimental products in 12 lb/gal fluids. Base: 20 % NaCl / 0.5 lb/bbl XAN-PLEX® D / 0.4-1 lb/bbl NEW-DRILL® PLUS / 2 lb/bbl MIL-PAC® LV (or BIO-PAC®) / 150 lb/bbl MIL BAR®

